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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Marcos Karnezos

Application No.: 10/681,583

Filed: October 8, 2003

Title: Semiconductor Multi-Package Module Having Inverted Second Package Stacked Over Die-down Flip-chip Ball Grid Array (BGA)

Package

Attorney Docket No.: CPAC 1029-5

Examiner: Unassigned

Group: 2841

Confirmation No.: 6814

Customer No. 22470

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO/SB/08A. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. However, since this application was filed after June 30, 2003, copies of U. S. Patents and U. S. Patent Application Publications are not enclosed. (See O. G. Notice of August 5, 2003.)

Also enclosed is a copy of a PCT Search Report mailed July 16, 2004 for a corresponding PCT Application.

If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii).

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed before the mailing date of the first Office Action on the merits.

Fee Authorization. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (CPAC 1029-5). A duplicate copy of this authorization is enclosed.

Respectfully submitted,

Havner Beffel & Wolfeld LLP

Date: August 5, 2004

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Respectfully submitted,

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PTC/SB/08A (08-00)
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449A/PTO 10/681,583 Application Number INFORMATION DISCLOSURE 10/08/03 Filing Date STATEMENT BY APPLICANT Marcos Karnezos First Named Inventor 2841 Group Art Unit (use as many sheels as necessary) Unassigned Examiner Name CPAC 1029-5 of Attorney Docket Number 1 Sheet

				U.S. PATENT DOCL	JMENTS	
Examiner Initials	Cite	U.S. Patent Doc	cument ind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
INDEIS	140.	(1	t known)		MM-DD-YYYY	Figures Appear
	A1	5,994,166		Akram et al.	11-30-1999	
	A2_	6,413,798		<u> Asada</u>	07-02-2002	
	A3	6,414,381		Takcda	07-02-2002	
	A4	6,472,741		Chen et al.	10-29-2002	
	A5	6,552,423		Song ct al.	04-22-2003	
	A6	6,590,281		Wu ct al.	07-08-2003	
	A7	6,649,448		Tomihara	11-18-2003	
	A8	6,593,648	$\neg \neg$	Emoto	07-15-2003	
	A9	6,734,539		Degani et al.	05-11-2004	
	A10	6,746,894		Fee et al.	06-08-2004	
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Examiner Initials	Cite No.1	Office <sup>3</sup>	Foreign Patent Docum	nent Kind Code <sup>s</sup> ( <i>IT known</i> )	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	Тө
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<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the sental number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : HOIL 23/02: HOSK 7/20 US CL : 257/678,683-687,706,712,713, 720, 723,724,738,773,778-780,784,787,790,796; 361/704,705,707,709-711 According to International Patient Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols) U.S.: 257/678,685-687,706,712,713, 720, 723,724,738,773,778-780,796; 361/704,705,707,709-711  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category ** Citation of document, with indication, where appropriate, of the relevant passages,  X.P US 6,414,381A (Takeda) 2 July 2002. col. 8 lines 35-67, col. 10 lines 15-67, and col. 11 lines 1-67.  V.P. US 6,649,448A (Tomihara) 18 November 1999, col. 7 lines 27-67 and col. 8 lines 1-65.  Y.P. US 6,494,48A (Tomihara) 18 November 2003, col. 7 lines 50-65, col. 8 l-65, and col. 9 lines 1-67.  Y.P. US 6,493,48A (Tomihara) 18 November 2003, col. 7 lines 50-65, col. 8 l-65, and col. 9 lines 1-67.  Y.P. US 6,493,48A (Tomihara) 18 November 2003, col. 7 lines 50-65, col. 8 l-65, and col. 9 173,189  Y.P. US 6,493,48A (Tomihara) 18 November 2003, col. 7 lines 50-65, col. 8 l-65, and col. 9 173,189  Y.P. US 6,552,423A (Song et al.) 22 April 2003, col. 3 lines 32-60  Purther documents are listed in the continuation of Box C.  Special cangents of Cited documents
INC(7) : HOLL 23/02; HOSK 7/20 US CL : 25/16/36,685-687,706,712,713, 720, 723,724,738,773,778-780,784,787,790,796; 361/704,705,707,709-711 According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols) U.S.: 257/678,685-687,706,712,713, 720, 723,724,738,773,778-780,784,787,790,796; 361/704,705,707,709-711  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  C. DOCUMENTS CONSIDERED TO HE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages,  X.P US 6,414,381A (Takeda) 2 July 2002. col. 8 lines 35-67, col. 10 lines 15-67, and col. 11  1.9,11, 12, 15-17, 13, 33, 38-40, 43-53, 57, 64,66-70, 72-90, 93 103, 105-109, 112, 11 115-123, 131-147, 11 115-123, 131-147, 11 151, 133-168, 174 176, 178-188, 190-20  Y.P US 6,649,448A (Tomihara) 18 November 2003, col. 7 lines 27-67 and col. 8 lines 1-65.  Y.P US 6,524,433 (Cong et al.) 21 May 2004, col. 1 lines 52-60 and col. 5 lines 15-65.  Y.P US 6,552,423A (Song et al.) 22 April 2003, col. 3 lines 52-63.    Purther documents are listed in the continuation of Box C.   See patent family annex.   Issue documents are listed in the continuation of Box C.   Issue documents are sensitional filing date or prioritical date and not in conflict with the application between the close to understated and not in conflict with the application between the close to understated and not in conflict with the application between the close to understated and not in conflict with the application between the close to understated and not in conflict with the application between the close to understated and the conflict with the application between the close to understated and the conflict with the application be
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